



Department of  
Parks and Wildlife



SWAN CANNING  
RIVERPARK

**Environmental Monitoring and Reporting**  
**Canning River Estuary ~ Weekly profile**

by  
Water Science Branch, Department of Water

Date: Tuesday 21<sup>st</sup> June 2016

Weather & tide conditions: Conditions were fine with up to 0% cloud cover and no breeze. The tide was flowing for the duration of the sampling period. Perth recorded 12.4 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Road oxygenation plant was operational the week prior to sampling. The Bacon Street and Camsell Way oxygenation plants were not operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2 and SAL, brackish throughout RIV and fresh over brackish at CASMID. Water was well oxygenated to oxygenated at the surface and bottom water was low in oxygen at SCB2 to RIV and hypoxic at CASMID. Water temperature ranged from 13.3 to 16.6 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites, with the exception of brackish bottom water at BAC, BACD300 and KENU300. Water was well oxygenated to oxygenated at all sites, with the exception of low oxygen bottom water at BAC, BACD300 and KENU300. Water temperature ranged from 13.7 to 15.9 °C.

**Definitions:**

Salinity – fresh <5ppt, brackish 5-25ppt, saline 25-35ppt, hypersaline >35ppt

Dissolved oxygen – well oxygenated >6 mg/L  
oxygenated >4 to 6 mg/L, low oxygen >2 to 4 mg/L,  
hypoxic >0.5 to 2.0 mg/L, near anoxic <0.5 mg/L

# Canning River Estuary - Physical-chemical Profile - 21st June 2016

